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10CS73

Seventh Semester B.E. Degree Examination, Dec.2017/Jan.2018
Programming the Web

Time: 3 hrs.

Max. Marks:100

Note: Answer any FIVE full questions, selecting at least TWO questions from each part.

PART – A

- 1 a. Describe with figure how domain name conversion happens on the web. (05 Marks)
b. Explain the syntactic differences between HTML and XHTML. (05 Marks)
c. Explain the following tags with examples: (i) img (ii) a (iii) pre (iv) sub (v) meta (10 Marks)
- 2 a. Explain the different levels of style sheets. (06 Marks)
b. Create, test and validate an XHTML document that defines a table with columns for states, state bird, state flower and state trees. There must be atleast three states as rows in the table. Include cellpadding and cellspacing attributes. (07 Marks)
c. With a neat figure of box model. Explain borders, margin and padding. (07 Marks)
- 3 a. Explain the Javascript string property and methods with example. (06 Marks)
b. Write a Javascript to check validity of a mobile phone number. (05 Marks)
c. Explain any six Javascript array methods. (09 Marks)
- 4 a. What are the three ways of accessing XHTML document elements in Javascript? (08 Marks)
b. Explain the following with an example, (i) Stacking of elements (ii) Element visibility (iii) Absolute positioning (iv) Dynamic content. (12 Marks)

PART – B

- 5 a. Create a XML document for one student of VTU to illustrate XSLT formatting. Create XSLT style sheet by child templates. (10 Marks)
b. Create a XML document that lists ads for used airplane. Create a DTD for the same document. (10 Marks)
- 6 a. Explain the Arrays and Hashes in Perl. (08 Marks)
b. Explain session and cookies in Perl. (06 Marks)
c. Write a note on CGI-PM module. (06 Marks)
- 7 a. List and explain any 6 commonly used string functions in php. (07 Marks)
b. Write a note on php files. (07 Marks)
c. Explain session tracking in web applications. (06 Marks)
- 8 a. Describe briefly the MVC architecture and the ORM used by rails. (08 Marks)
b. Write a note on methods in Ruby. (06 Marks)
c. Explain the layouts with respect to rails. (06 Marks)

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.